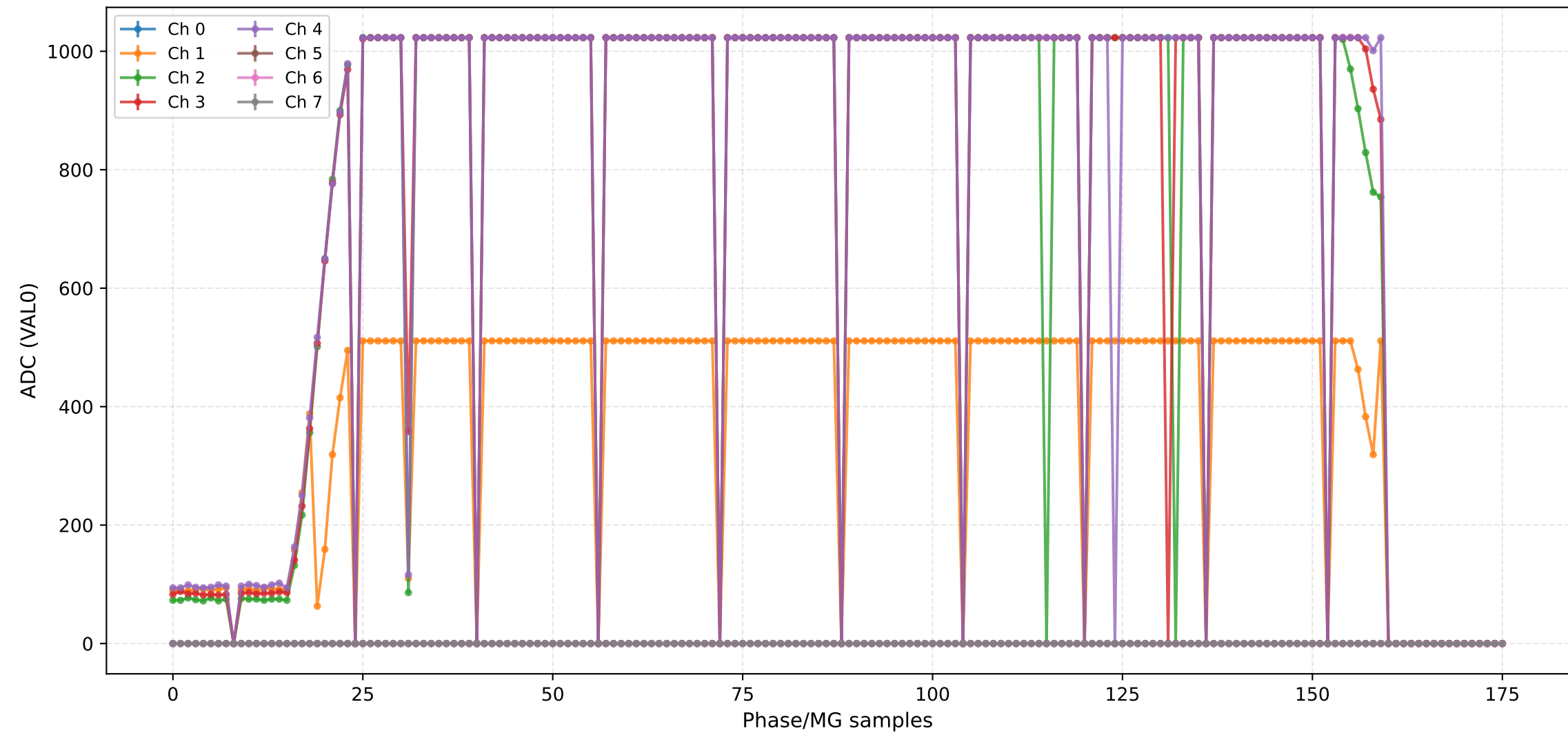


ADC (VAL0) - Channels 0 to 7



## ADC (VAL0) - Channels 8 to 15



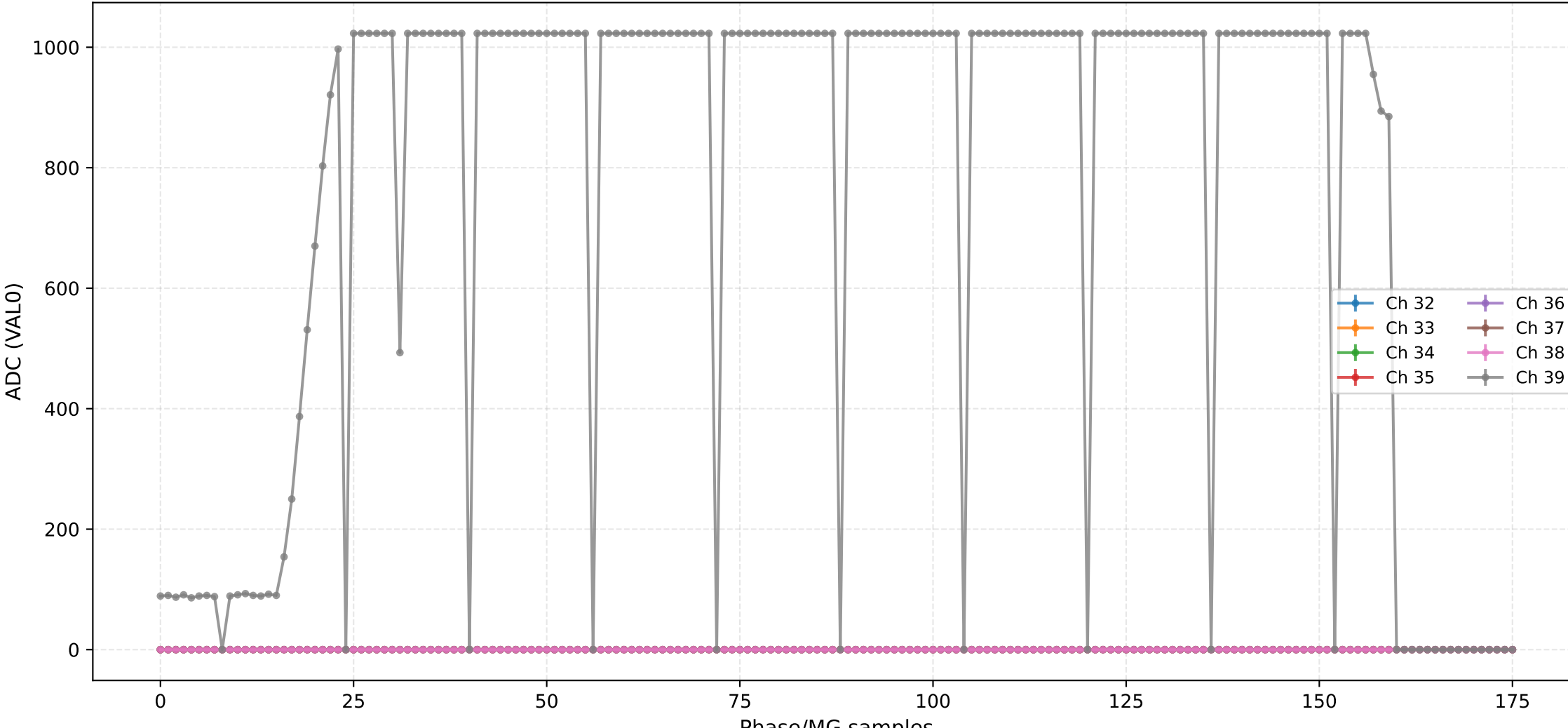
## ADC (VAL0) - Channels 16 to 23



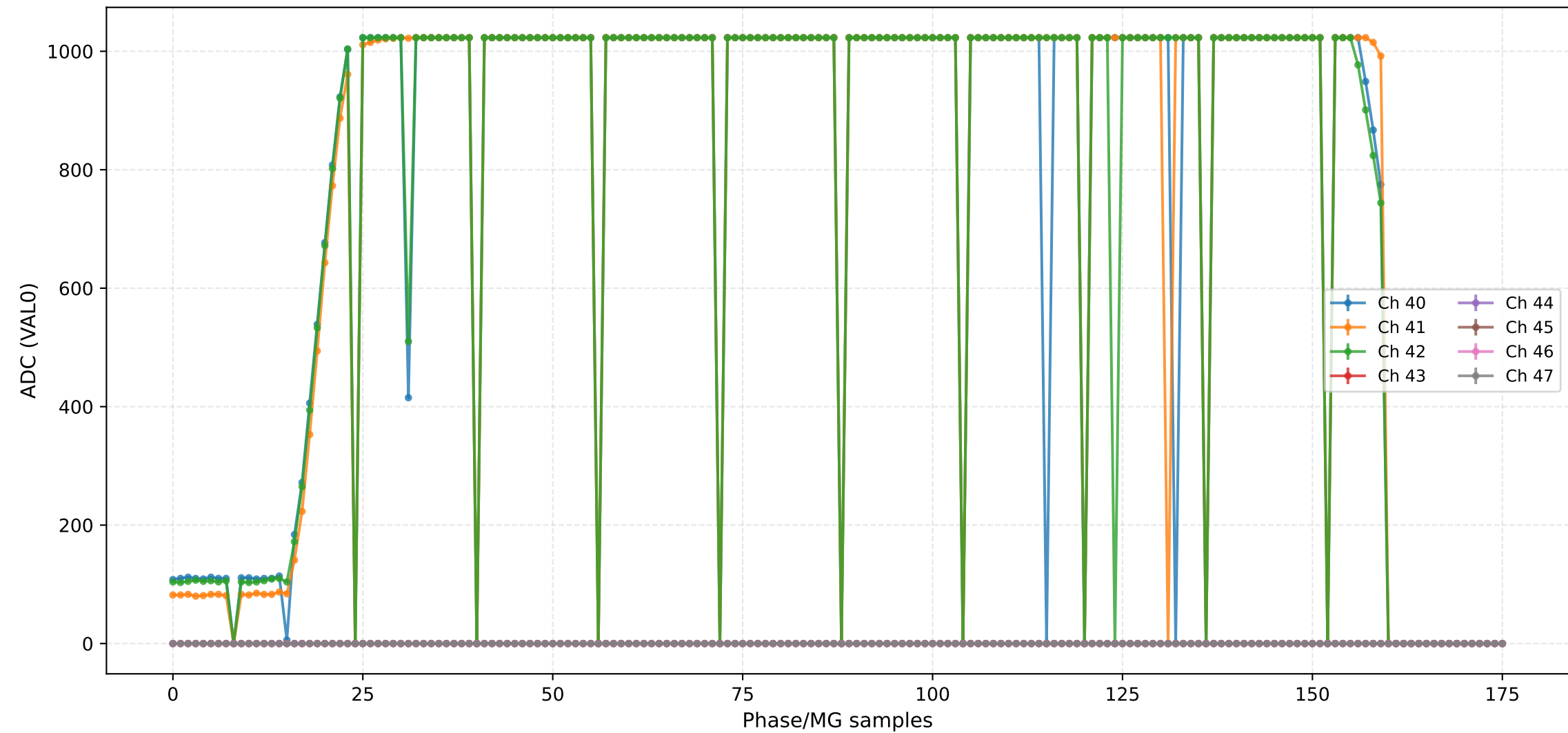
## ADC (VAL0) - Channels 24 to 31



## ADC (VAL0) - Channels 32 to 39



### ADC (VAL0) - Channels 40 to 47



## ADC (VAL0) - Channels 48 to 55



## ADC (VAL0) - Channels 56 to 63

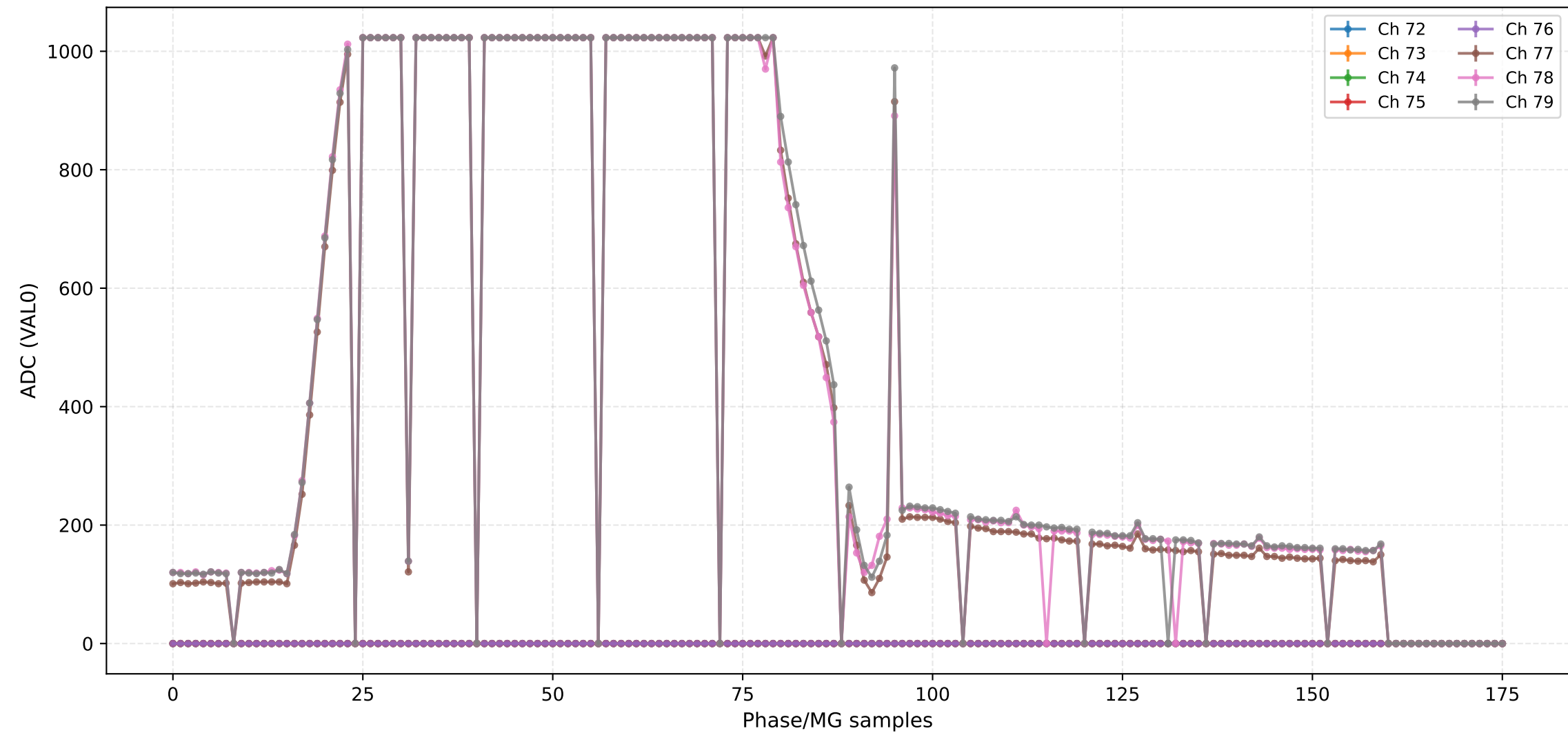




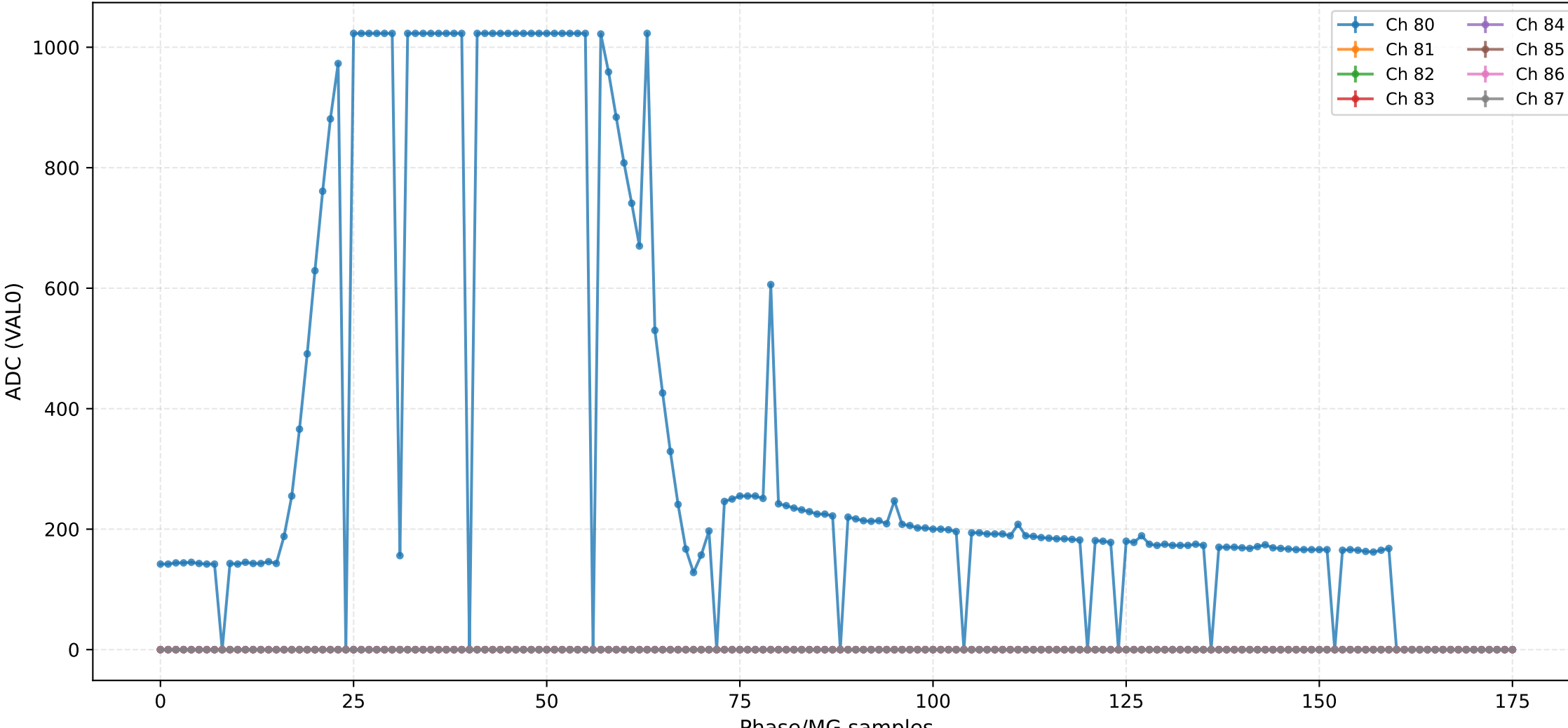
### ADC (VAL0) - Channels 64 to 71



ADC (VAL0) - Channels 72 to 79



## ADC (VAL0) - Channels 80 to 87



### ADC (VAL0) - Channels 88 to 95



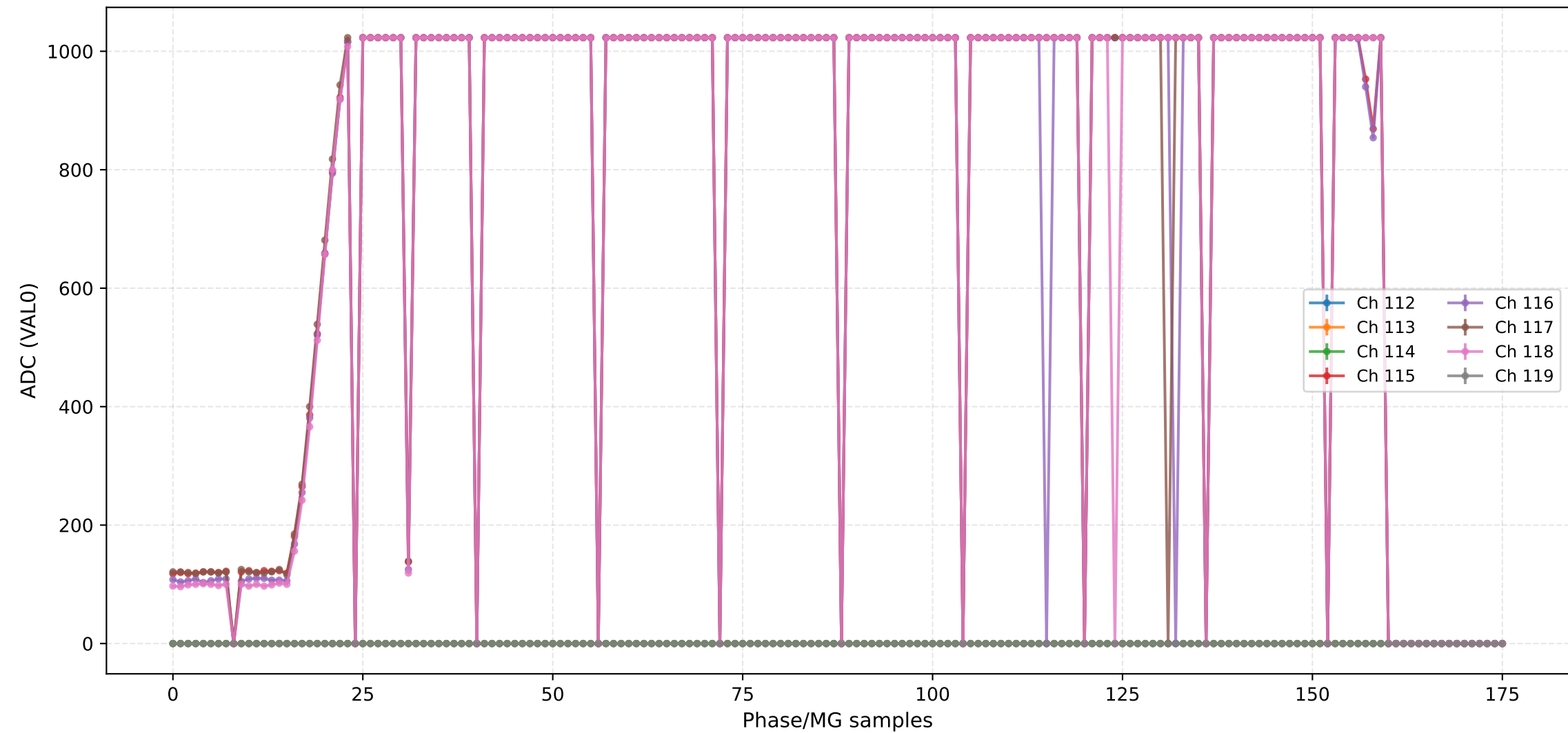
### ADC (VAL0) - Channels 96 to 103



### ADC (VAL0) - Channels 104 to 111



### ADC (VAL0) - Channels 112 to 119



### ADC (VAL0) - Channels 120 to 127

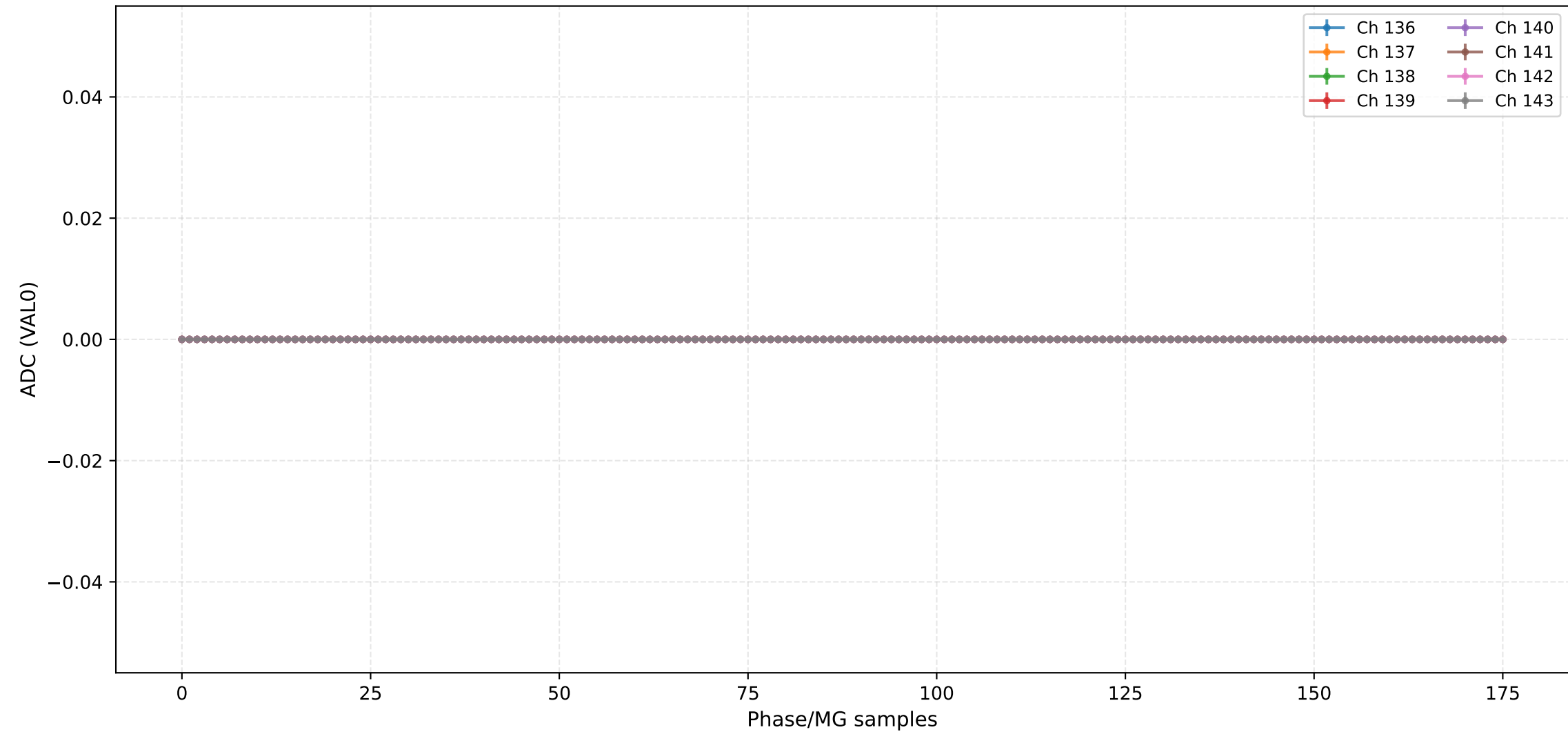




## ADC (VAL0) - Channels 128 to 135



### ADC (VAL0) - Channels 136 to 143



## ADC (VAL0) - Channels 144 to 151





ToT (VAL1) - Channels 8 to 15



## ToT (VAL1) - Channels 16 to 23



### ToT (VAL1) - Channels 24 to 31









ToT (VAL1) - Channels 48 to 55



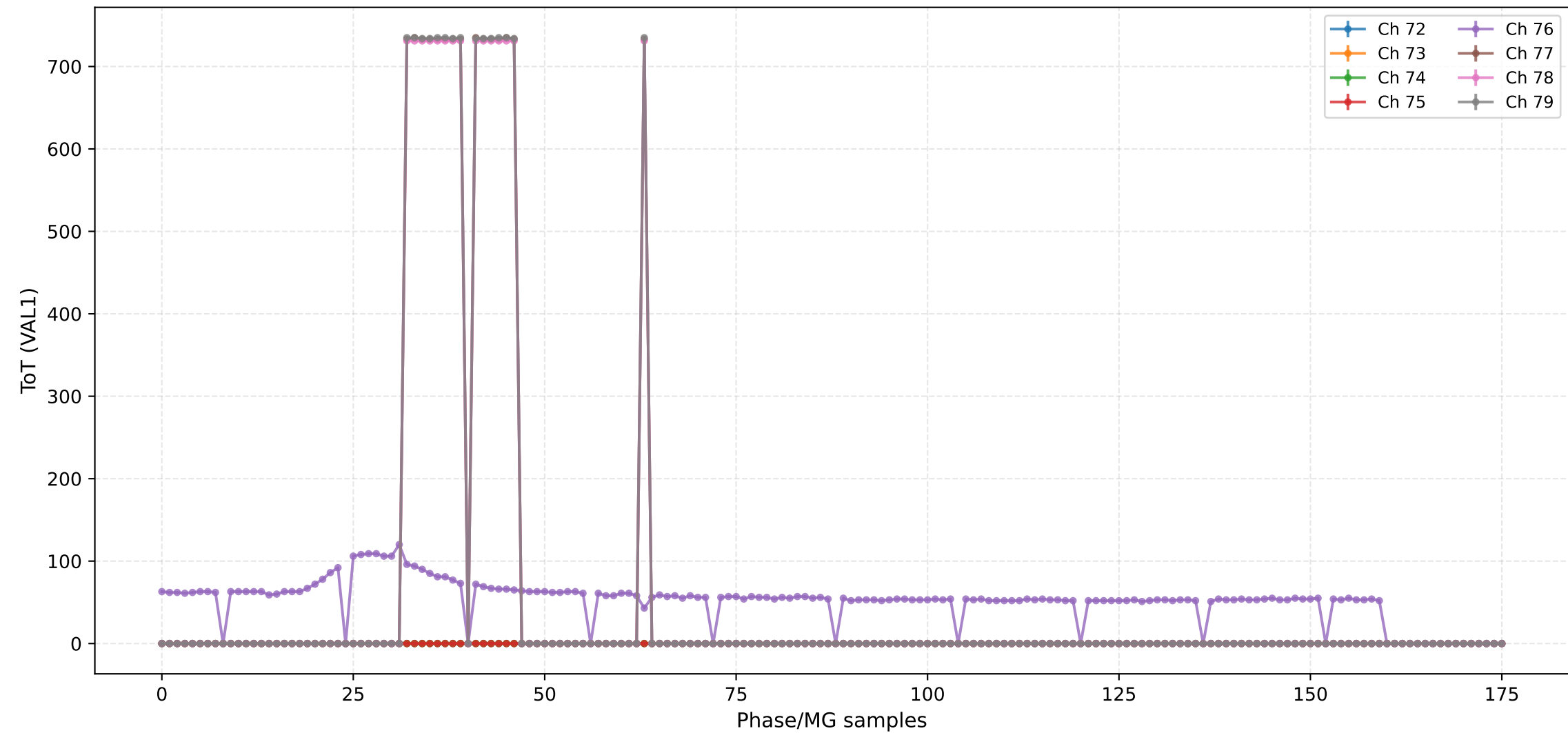
## ToT (VAL1) - Channels 56 to 63



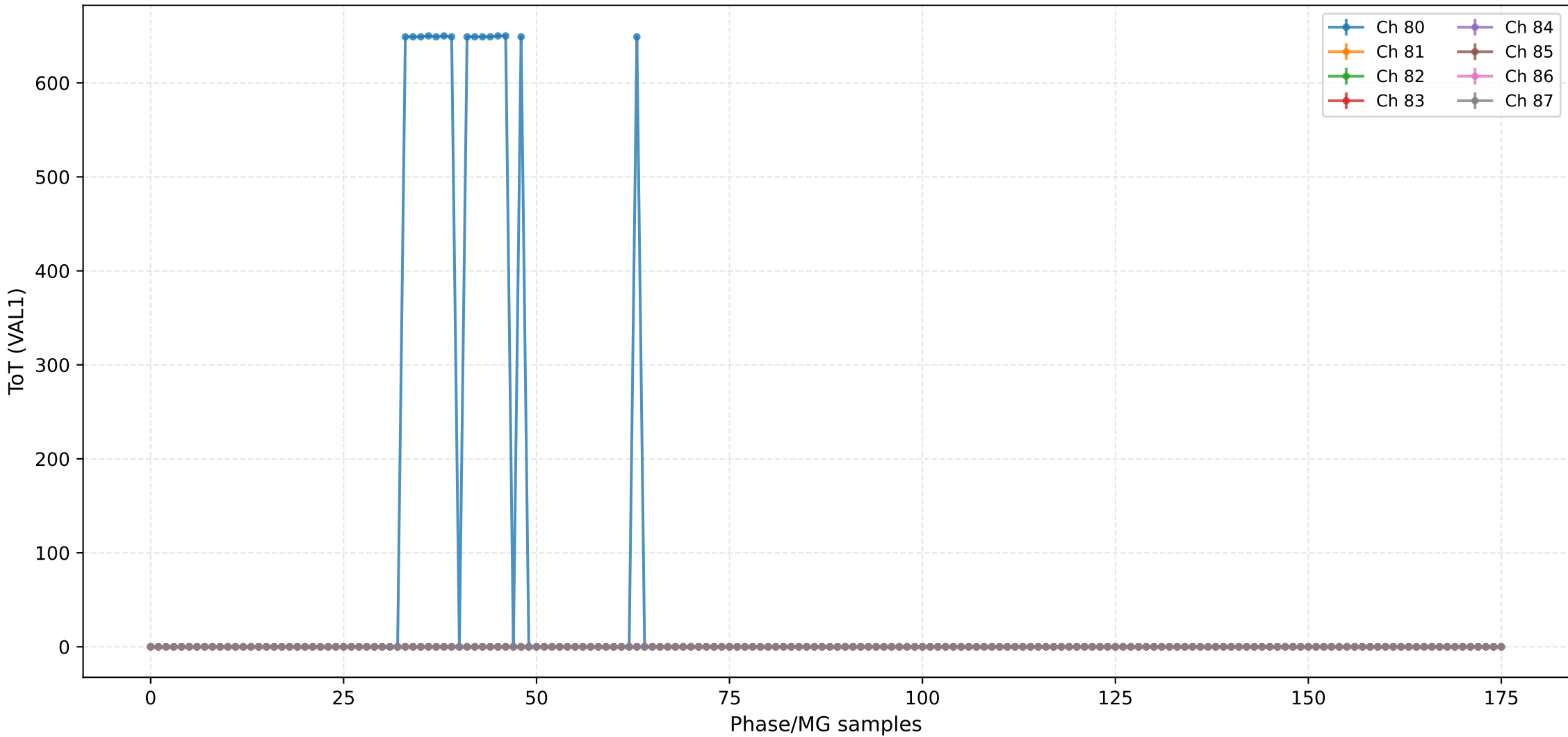
ToT (VAL1) - Channels 64 to 71



ToT (VAL1) - Channels 72 to 79



## ToT (VAL1) - Channels 80 to 87



## ToT (VAL1) - Channels 88 to 95



## ToT (VAL1) - Channels 96 to 103

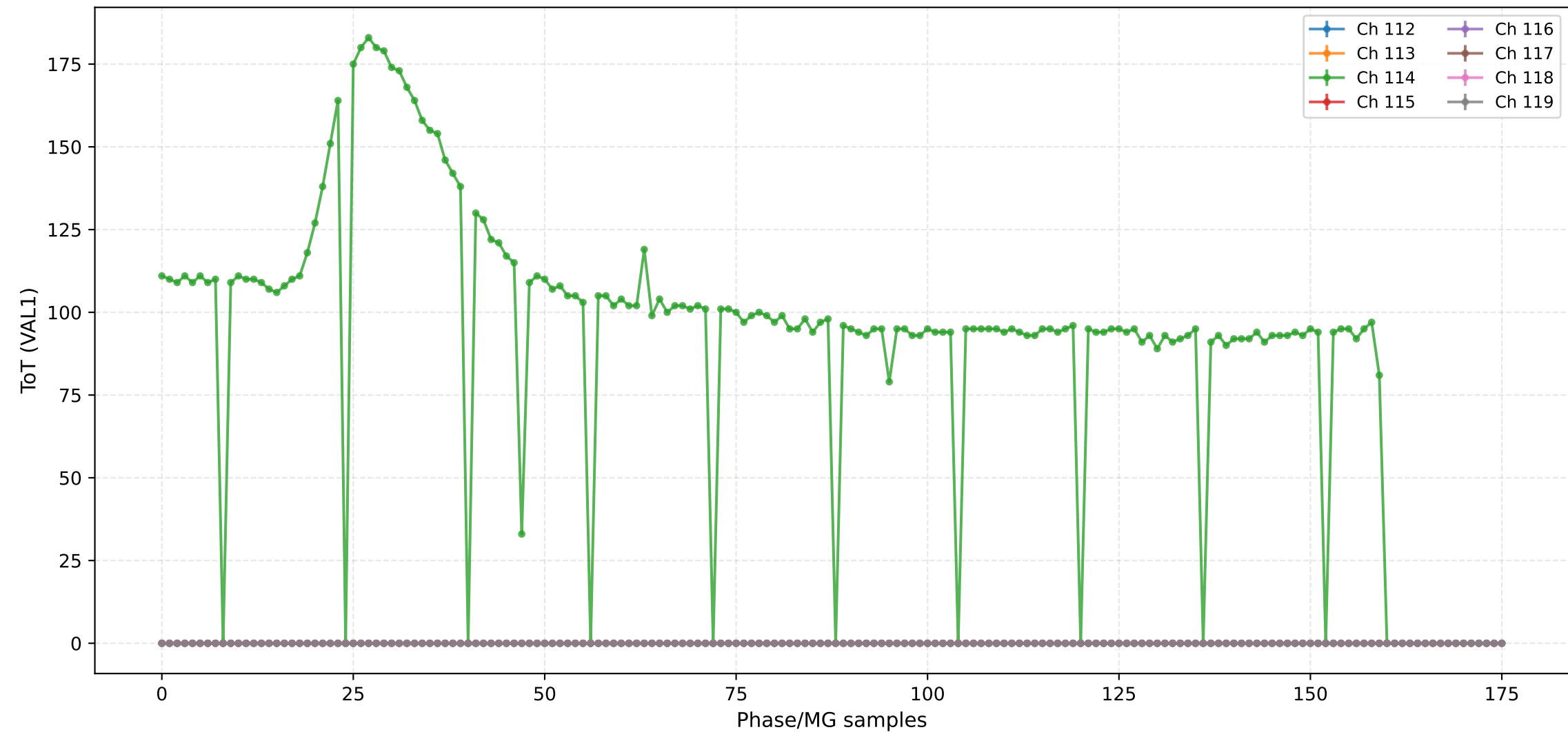




ToT (VAL1) - Channels 104 to 111



### ToT (VAL1) - Channels 112 to 119



## ToT (VAL1) - Channels 120 to 127



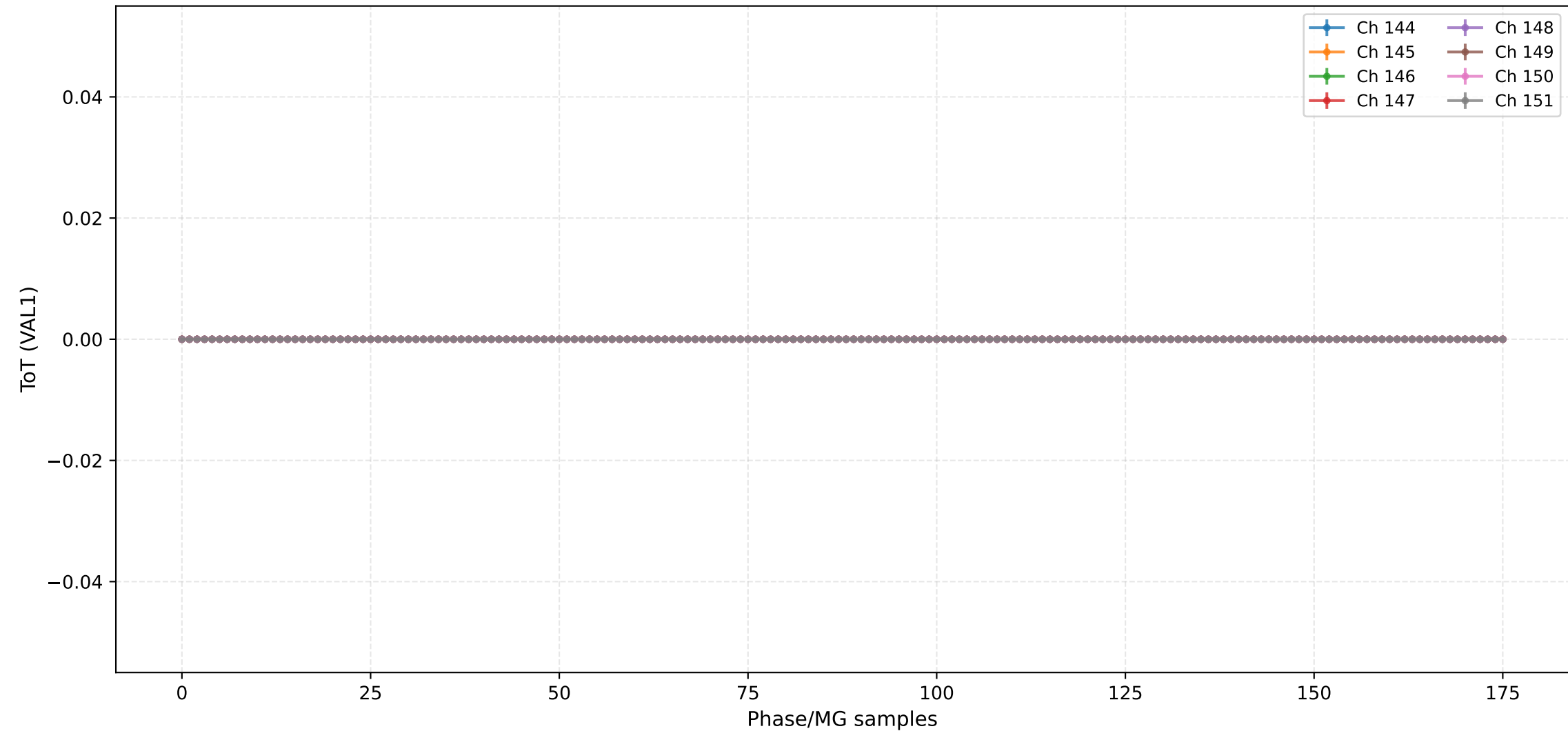
## ToT (VAL1) - Channels 128 to 135



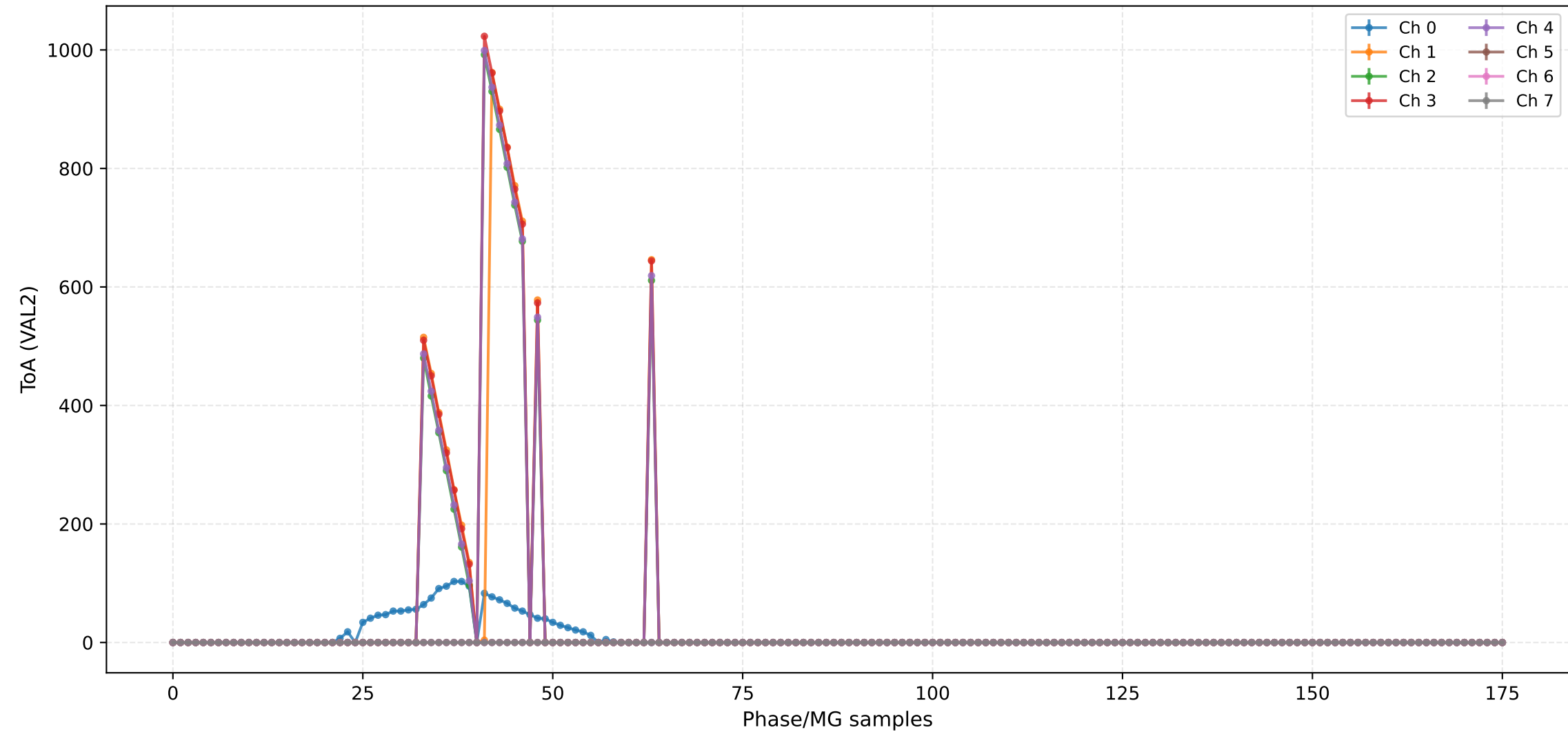
ToT (VAL1) - Channels 136 to 143



ToT (VAL1) - Channels 144 to 151



## ToA (VAL2) - Channels 0 to 7



ToA (VAL2) - Channels 8 to 15





ToA (VAL2) - Channels 16 to 23



### ToA (VAL2) - Channels 24 to 31







## ToA (VAL2) - Channels 48 to 55



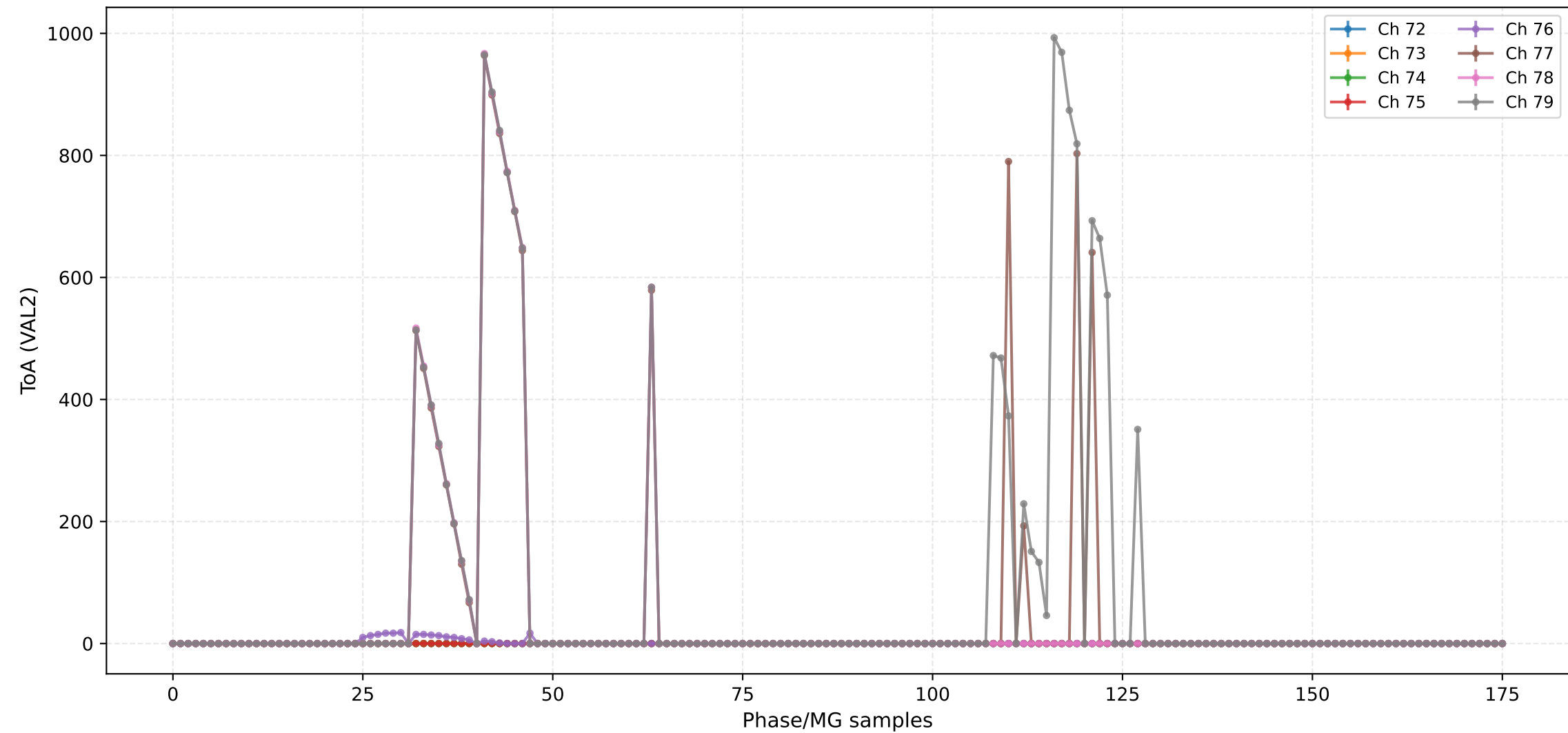
ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71



ToA (VAL2) - Channels 72 to 79







ToA (VAL2) - Channels 88 to 95



## ToA (VAL2) - Channels 96 to 103



ToA (VAL2) - Channels 104 to 111





ToA (VAL2) - Channels 120 to 127



The figure displays a plot of the expectation value of the Pauli matrix  $\sigma_y$  over time for six channels. The x-axis, labeled 'Time', ranges from 0 to 150. The y-axis, labeled 'Expectation value', ranges from -1 to 1. A legend in the top right corner identifies the channels: Ch 128 (blue), Ch 129 (orange), Ch 130 (green), Ch 131 (red), Ch 128 (purple), and Ch 129 (brown). All six channels show a constant expectation value of 0 across the entire time range.



The graph displays the evolution of the 136-139 ratio for five different channels over an 180-day period. The x-axis represents time in days, ranging from 0 to 180, with major ticks every 25 days. The y-axis represents the ratio, ranging from 0.9 to 1.1, with major ticks every 0.1 units. A dashed grid is present in the background.

All channels start at a ratio of 1.0 at day 0. Within the first 10 days, all channels drop sharply to a ratio of approximately 0.95. Following this initial drop, the channels begin to recover. Ch 136 (blue) shows the fastest recovery, reaching a ratio of 1.0 by day 100. Ch 137 (orange) and Ch 138 (green) reach a ratio of 1.0 by day 150. Ch 139 (red) and the unlabeled channel (grey) reach a ratio of 1.0 by day 180.

Legend:

- Ch 136 (Blue line with '+' markers)
- Ch 137 (Orange line with '+' markers)
- Ch 138 (Green line with '+' markers)
- Ch 139 (Red line with '+' markers)
- Unlabeled channel (Grey line with '+' markers)





## ToA (VAL2) - Channels 144 to 151



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-11 22:11:02

### Configuration:

- Total ASICs: 2
- Injection DAC: 2600
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 10
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac2600\_mg10\_pack2\_chn10\_val0.csv
- 205\_Injection\_asic2\_injdac2600\_mg10\_pack2\_chn10\_val1.csv
- 205\_Injection\_asic2\_injdac2600\_mg10\_pack2\_chn10\_val2.csv